

## AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

### LISTING OF CLAIMS

Claims 1-15. (Canceled)

Claim 16. (Original) A system for controlling access to a communications network associated with a network service, the system comprising:

a service controller, comprising at least one session initiation protocol (SIP) proxy server, that receives a request for the network service from an initiating end system to access the network service, provides the initiating end system with an enabling certificate, comprising at least one of service policy and logic associated with the network service, and a unique setup identifier, and instructs the initiating end system to perform a connection setup request that includes the certificate and the unique identifier; and

at least one switching device that receives the connection setup request from the initiating end system, the switching device processing the connection setup request based on the certificate and the unique identifier and performing one of establishing a network connection and rejecting the connection setup request based on the processing, in accordance with at least the certificate.

Claim 17. (Currently Amended) ~~The system for controlling access to a communications network associated with a network service~~ according to claim 16, the at least one switching device comprising an Internet protocol router.

Claim 18. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 17, in which the connection setup request is in accordance with resource reservation protocol (RSVP).

Claim 19. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 16, the at least one switching device comprising a multi-protocol label switching (MPLS) label switching router.

20. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 19, in which the connection setup request is in accordance with one of RSVP-te and constraint-based routed label distribution protocol (CR-LDP).

21. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 16, the at least one switching device comprising an optical switching device controlled by general multi-protocol label switching (GMPLS).

22. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 21, in which the connection setup request is in accordance with one of RSVP-te and constraint-based routed label distribution protocol (CR-LDP).

23. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 16, the at least one switching device comprising a time division multiplexing

(TDM) switching device controlled by generalized multi-protocol label switching (GMPLS).

Claim 24. (Currently Amended) The system ~~for controlling access to a communications network associated with a network service~~ according to claim 23, in which the connection setup request is in accordance with one of RSVP-te and constraint-based routed label distribution protocol (CR-LDP).

Claims 25-33. (Canceled)